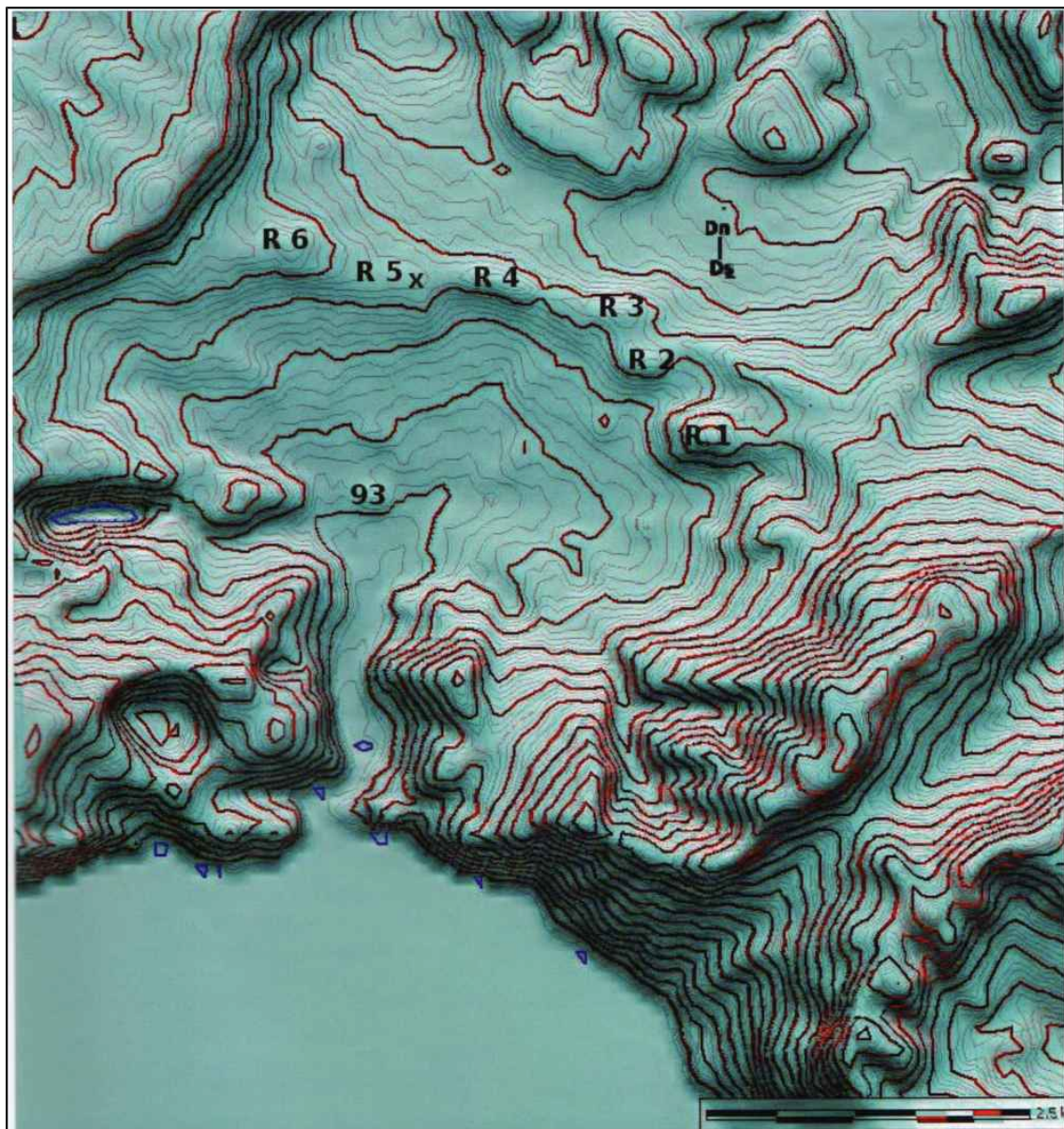


**49 Balaklava in 3D: An Anaglyph derived from 2002 SRTM Radar Data**  
**by Dr Douglas J Austin 49 [ TWC 34(1) p28 2016 ]**

As a fine Geographical Information System, the MICRODEM program produced by Professor Peter Guth of the United States Naval Academy can be used with appropriate data sets to allow exploration of a wide range of location features. I have used it to explore the Balaklava battlefield and to investigate the sight-lines from near Redoubt 5 on the Causeway Heights. Here I present an image of the battlefield, with 5m contours, derived from 3 arc-second resolution data acquired during the 2002 SRTM (Shuttle Radar Topography Mission). The RED contours are at 25-meter intervals. Using readily-available red-cyan (best) or red-green glasses, the three-dimensional character of the land-forms, including the extensive modern quarrying works to the west of Balaklava, are readily visible.



**R1 to R6" = Causeway Heights redoubts; "x near R5" = Lucan's position when he received the 4th Order to the cavalry; '93" = the "Thin Red Line" of the 93rd Highlanders; "Dn-Ds" = the approximate north-south location of the Don Number 3 Heavy Battery.**

See: <http://www.usna.edu/Users/oceano/pguth/website/microdem/microdem.htm>